

REMARKS

In the first requirement, Claims 1 and 15 are acknowledged to be generic and require election among species of A target being solid, B target being a liquid jet, and C target being droplet jet relative to claims 6 and 16.

In response to this restriction requirement Applicants hereby elect solid in claims 6 and 16.

In a second requirement election of a species of E particle beam is of protons, F particle beam is of deuterons, and G particle beam is of tritons, pertinent to claims 9 and 19 was required.

In response Applicants hereby elect protons in claims 9 and 19.

In a third election requirement, election to a single species for the secondary target from boron, carbon, nitrogen, oxygen and neon was set forth. This pertains to claims 10 and 20.

Applicants hereby elect boron of claims 10 and 20.

In a fourth election requirement, election of single species for the secondary target from "boron-11, boron-10, nitrogen-14, oxygen-16, nitrogen-15, and oxygen-18" was required with reference to claim 11.

Applicants respectfully submit that boron-11 and boron-10 are both isotopes of boron and it is more appropriate to maintain both species, boron-10 and boron-11 consistent with the understanding that metallic boron contains these two isotopes and enrichment in one or the other is possible, however from a practical aspect both are present. Therefore Applicants respectfully traverse this requirement to select a single

isotope of boron and respectfully submits that boron-10 and boron-11 be considered for prosecution. Since the atomic weight of boron is approximately 10.8 it is evident that both boron-10 and boron-11 are present in metallic boron and that boron-11 is more predominant than boron-10. Therefore, if required to chose, then logic dictates choice of boron-11 as to claim 11.

In a fifth requirement, election of single species for the secondary target from boron-10, carbon-12, nitrogen-14, and neon-20 was included with respect to claim 12.

In response to this fifth requirement Applicants elect boron-10.

Considering all of the election requirements set forth above claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19 and 20 all conform with the aforesaid requirement.


For completeness, Applicants herewith submit that claim 12 also meets the requirement that the particle beam further comprises deuterons. However, if Examiner's position is that recitation of deuterons in claim 12 presents a problem with respect to the election of protons in claim 9, then claim 12 may be considered for prosecution or removed from consideration. Since the requirements set forth in the Action do not make this clear, and Applicants have made every effort to interpret the requirements and be responsive to same, the aforesaid is submitted to be a complete response and responsive to each of the requirements.

CONCLUSION

If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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